

Exhibit A

Amino acids that differ from Pgkam are in **bold**

Pgkam	1	maesrrkyyf	pdvtdeqwndwhwqvl	nrldqlkkyvtltaeeeeg	vk
Pgaam	1	maesrrkyyf	pdvtdeqwydwhwqvl	nrldqlkkyvtltaeeeeg	vk
Cskam	1	-minrryelfk	dvdadwndwrwqvr	nrldqlkkyvtltaeeeeg	va
Pgkam	51	eslkvlr	maitpyylslidpenpnc	pirkqaipthqelvr	apedqvdpls
Pgaam	51	espkvlr	maitpyylslidpenpnc	pirkqaipthqelvr	apedqvdpls
Cskam	50	qcvksl	rmaitypyylslidpndpnd	pvrkqaipthqelvr	apedqvdpls
Pgkam	101	ededs	pvpglthrypdrvlflitdkcs	mycrhctrrrfagqkdassp	ser
Pgaam	101	ededs	pvpglthrypdrvlflitdkcs	mycrhctrrrfagqkdassp	ser
Cskam	100	edtds	pvpglthrypdrvllitdmcs	mycrhctrrrfagqkdassp	ser
Pgkam	151	idrcid	yiantptvrdrvllsggdall	vsderleyilkr	reiphveivri
Pgaam	151	idrcid	yiantptvrdrvllsggdall	vsderleyilkr	reiphveivri
Cskam	150	idkaid	yirntpqvrdrvllsggdall	vsdetleyiia	klreiphveivri
Pgkam	201	gsrtp	vvlpqritpqlvdmkkkyhp	vwlnthfnhpnevtee	eaveacerma
Pgaam	201	gsrtp	vvlpqritpqlvdmkkkyhp	vwlnthfnhpnevtee	eaveacerma
Cskam	200	gsrtp	vvlpqritpelvnmkkkyhp	vwlnthfnhpneitee	stracqla
Pgkam	251	nagipl	gnqtvllrgindcthv	mkrlvhlvlvkmrvrpyy	iyvcdslslgig
Pgaam	251	nagipl	gnqtvllrgindcthv	mkrlvhlvlvkmrvrpyy	iyvcdslslgig
Cskam	250	dagvp	lgnqsvllrgvndcvhvm	kelvnlvkvirvrpyy	iyqcdslslgle
Pgkam	301	hfrtp	vskskieiienlrgh	tsgyavptfvvdapgggg	kipvmpnyvvsqs
Pgaam	301	hfrtp	vskskieiienlrgh	tsgyavptfvvgapgggg	kipvtpnyvvsqs
Cskam	300	hfrtp	vskskieiieglrgh	tsgycvptfvvdapgggg	ktpvmpnyvisqs
Pgkam	351	prhv	vlrnyegvittyt	epenyheecdcedcragk	--hkegvaalsgggq
Pgaam	351	prhv	vlrnyegvittyt	epenyheecdcedcragk	--hkegvaalsgggq
Cskam	350	hdkv	ilrnfegvittyt	sepinytpgcncdvctg	kkkvkhkvaglngeg
Pgkam	399	laie	psdlarkkrkfdkn		
Pgaam	399	laie	psdlarkkrkfdkn		
Cskam	400	male	pvglernkrhvqe-		

Pgaam differs from Pgkam at 5 amino acids (98% match)

Cskam differs from Pgkam at 110 amino acids (73% match)